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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/527,915	03/17/2000	Mark Scott	1848.0060001	4215
26111	7590	09/12/2005		
STERNE, KESSLER, GOLDSTEIN & FOX PLLC 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER DAVIS, CYNTHIA L	
			ART UNIT	PAPER NUMBER

2665

DATE MAILED: 09/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/527,915

Applicant(s)

SCOTT ET AL.

Examiner

Cynthia L Davis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 7/14/2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-17 and 88 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-17, and 88 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1, 4-17, and 88 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

1. Claims 1, 5, 9-13, 15, 17, and 88 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ireland in view of Ladd.

Regarding claim 1, at least one database that stores data is disclosed in Ireland, column 6, lines 12 and 13. At least one database client server that accesses said at least one database is disclosed in column 6, lines 14-15. At least one database client that accesses said at least one database client server is disclosed in column 6, line 10. A plurality of service modules is disclosed in column 9, lines 47-column 10, line 10 (the CTS contains components, or service modules, that allow users to access information in the database). A multi-database client that manages said each service module's access to said at least one database client is disclosed in column 7, lines 53-55 (the Jaguar CTS). A database access manager that monitors said each service module access to said multi-database client is disclosed in column 7, lines 37-62, and figure 2, elements 222 and 226 (the session management and transaction management modules). Storing data related to IP telephony is missing from Ireland. However, Ladd discloses in column 9, line 55 and column 10, lines 45-57, using a database system in

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conjunction with VoIP (IP telephony). It would have been obvious to one skilled in the art at the time of the invention to use the database structure of Ireland in conjunction with the VoIP of Ladd. The motivation would be to use a simplified database interface to manage information in the VoIP context (Ireland, column 3, lines 5-11). Said at least one service module includes an account management service is missing from Ireland. However, Ladd discloses in column 10, line 54, a database that holds account information. It would have been obvious to one skilled in the art at the time of the invention to include an account service in the system of Ireland. The motivation would be to allow customers to access their account information. Said at least one service module includes a call detail record service is missing from Ireland. However, Ladd discloses in column 10, lines 23-26, a billing server that records information regarding call details. It would have been obvious to one skilled in the art at the time of the invention to include a call detail record service in the system of Ireland. The motivation would be to allow customers to access their call detail records.

Regarding claim 5, said at least one database includes a relational database is disclosed in Ireland, column 5, lines 51-53.

Regarding claim 9, obtaining means for obtaining account information, requesting means for requesting said account information from at least one multi-database client, and receiving means for receiving said account information from at least one multi-database client are disclosed in column 8, lines 16-17, 56-57, and 65- 67 (the result sets transfer such information). First forwarding means for forwarding said account information to a multi-database client is disclosed in column 8, lines 65-67 (the client

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receives the results). Second forwarding means for forwarding said account information to a database access manager is disclosed in column 7, line 22 (the client's information must go through the security module to access the database).

Regarding claim 10, said account information includes a user's name, telephone number, identification number, password, system service access level, billing information and preferred calling patterns is missing from Ireland. However, Ladd discloses in column 10, lines 54-55, a database that holds such account information. It would have been obvious to one skilled in the art at the time of the invention to include such account information in the system of Ireland. The motivation would be to fully describe the customer's account.

Regarding claims 11, said account information includes a group's name, identification number, password, system service access level, usage restrictions, billing information, and preferred calling patterns is missing from Ireland. However, Ladd discloses in column 10, lines 23-26 and 54-55, a database that holds such account information. It would have been obvious to one skilled in the art at the time of the invention to include such account information in the system of Ireland. The motivation would be to fully describe the customer's account.

Regarding claim 12, first sending means for sending information to a multi-client database is disclosed in column 7, lines 53-55 (disclosing writing to the database). Receiving means for receiving a request for said information from a database access manager, and second sending means for sending said information to said multi-database client from said server are disclosed in column 8, lines 65-67. That the

information is call details, and recording means for recording call details and storing means for storing said call details in a call detail records server are missing from Ireland. However, Ladd discloses in column 10, lines 22-27, a server that records and holds call detail information. It would have been obvious to one skilled in the art at the time of the invention to store and access call detail information in the system of Ireland. The motivation would be to have such information on hand for billing purposes.

Regarding claim 13, a local cache to automatically store call detail records, wherein said service module for recording call details stores said call details when first sending means is unsuccessful is missing from Ireland. However, Ladd discloses in column 10, lines 25-27, the call control unit holding call details locally before they are sent to the server. It would have been obvious to one skilled in the art at the time of the invention to include a cache in the system of Ireland to locally hold information. The motivation would be to hold the information before it is submitted to the central database, in case the database is busy with other clients.

Regarding claim 15, connecting means for connecting service modules to a multi-database client is disclosed in column 7, lines 24-25 (the connection pool), monitoring means for monitoring requests for service from said service modules to a multi-database client is disclosed in column 7, lines 21-22 (the session management module), authorizing means for authorizing said requests for service from said service modules to said multi-database client is disclosed in column 7, lines 22 (the security module), and prioritizing means for prioritizing said requests for service from said

service modules to said multi-database client is disclosed in column 23 (the thread polling module).

Regarding claim 17, another at least one database client server that receives requests from said multi-database client is disclosed in column 6, lines 14-15 (component transaction server). Another at least one database client that receives said requests from said at least one database client server is disclosed in column 6, line 10. Another at least one database that receives said requests from said at least one another database client is disclosed in column 6, lines 12-13.

Regarding claim 88, a computer interface means for displaying said database services to a predetermined computer, information being exchanged with said predetermined computer, said computer interface means being capable of configuring said database services is disclosed in Ireland, column 5, lines 43 and 48-50 (the GUI can be used to access the database).

2. Claims 4 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ireland in view of Ladd in further view of Donaldson.

Regarding claim 4, said plurality of service modules includes an event log service module is missing from Ireland. However, Donaldson discloses in column 11, line 32, a database with an event log service. It would have been obvious to one skilled in the art at the time of the invention to include an event log service in the system of Ireland. The motivation would be to allow customers to access their event log records.

Regarding claims 14, receiving means for receiving a request for service, determining means for determining the type of service being requested, and sending

means for sending said event to a multi-database client are disclosed in column 8, lines 65-57 (the invoked method is a request for service). Recording means for recording said request for service and the details of the service provided as an event are missing from Ireland. However, Donaldson discloses in column 11, line 32, a database with an event log for recording event details. It would have been obvious to one skilled in the art at the time of the invention to include an event log in the system of Ireland. The motivation would be to keep a history of actions carried out in the database for maintenance purposes.

3. Claims 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ireland in view of Ladd in further view of Pearson.

Regarding claims 6, said at least one database includes a non- relational database is missing from Ireland. However, Pearson discloses in column 3, lines 2-5, a system using non-relational databases. It would have been obvious to one skilled in the art at the time of the invention to incorporate non-relational databases in the system of Ireland. The motivation would be to be able to access older, "legacy" databases.

Regarding claim 7, said at least one database and said at least one database client server are configured behind a firewall is missing from Ireland. However, Pearson discloses in column 3, lines 2-5, a system using non-relational databases. It would have been obvious to one skilled in the art at the time of the invention to incorporate non-relational databases in the system of Ireland. The motivation would be to be able to access older, "legacy" databases.

Regarding claim 8, said at least one database client accesses said at least one database client server through said firewall is missing from Ireland. However, Pearson discloses in figure 2, elements 54 and 58, a database server behind a firewall. It would have been obvious to one skilled in the art at the time of the invention access the database through a firewall. The motivation would be to improve security in the system.

4. Claims 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ireland in view of Ladd in further view of Montgomery.

Regarding claims 16, first connecting means for connecting with the service modules and second connecting means for connecting with the at least one database client are disclosed in column 7, lines 21-22 and 24-25 (the connection pool and session management modules). Receiving means for receiving requests for service from said service modules is disclosed in column 7, line 21-22 (the transaction management module), queuing means for queuing said requests for service from said service modules is disclosed in column 7, lines 23 (the thread polling module), forwarding means for forwarding requests for service from said service modules to said at least one database client is disclosed in column 7, lines 23-24 (the transaction management module). Confirming means for continuing with said at least one database client that said requests for service from said service modules was received as forwarded is missing from Ireland. However, Montgomery discloses in column 22, lines 8-11, a database that confirms receipt of a query. It would have been obvious to one skilled in the art at the time of the invention to provide confirmation means in the system of Ireland. The motivation would be to ensure correct receipt of queries.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia L Davis whose telephone number is (571) 272-3117. The examiner can normally be reached on 8:30 to 6, Monday to Thursday.

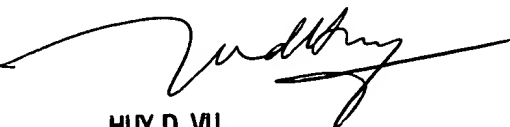
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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